(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 14 July 2005 (14.07.2005)

PCT

(10) International Publication Number WO 2005/064933 A1

(51) International Patent Classification⁷:

H04N 5/74

(21) International Application Number:

PCT/US2004/043690

(22) International Filing Date:

22 December 2004 (22.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/531,732

22 December 2003 (22.12.2003) US

- (71) Applicant (for all designated States except US): THOM-SON LICENSING S. A. [FR/FR]; 46 Quai A. Le Gallo, F-92100 Boulogne-Billancourt (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SCHULTZ, Mark, Alan [US/US]; 4437 Somerset Way S., Carmel, IN 46033 (US). LAMB, Matthew, Robert [US/US]; 16749 Wanatah Trail, Westfield, IN 46074 (US). HUNT, Charles, Bryan [US/US]; 20110 Grassy Branch, Westfield, IN 46074 (US).

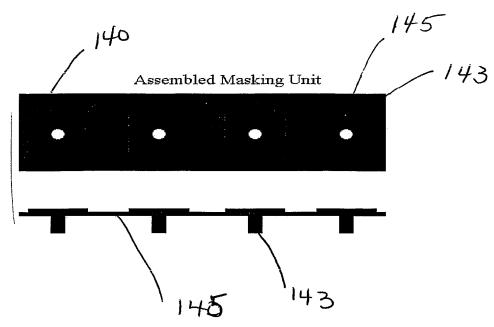
- (74) Agents: TRIPOLI, Joseph, S. et al.; 2 Independence Way, Suite #200, Princeton, New Jersey 08540 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: LIGHT MASKING FOR A SEGMENTED DISPLAY SYSTEM



(57) Abstract: A segmented display system in which the display devices are arranged in a N x 1 array is described. The segmented display system includes a plurality of projection devices that each project a portion of an image on a corresponding one of the display devices in the N x 1 array. Distortion from extra light is minimized using a moveable mask around each projection device lens in the N x 1 array.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.